

Glyoxylate Cycle Enzymes As Targets For Antifungal Drug Development

ABSTRACT OF THE DISCLOSURE

The present invention relates to methods of identifying a drug that inhibits the virulence of a fungus comprising contacting the fungus with a drug to be assessed and
5 determining whether an enzyme involved in the glyoxylate pathway of the fungus is inhibited in the presence of the drug, wherein if an enzyme of the glyoxylate pathway of the fungus is inhibited in the presence of the drug, then the drug inhibits or virulence of the fungus. In particular embodiments, the present invention relates to methods of identifying a drug that inhibits the virulence of a yeast; methods of identifying a drug
10 that inhibits the virulence of *C. albicans*; and methods of treating an individual who is susceptible to fungal infection comprising administering to the individual a drug identified by the methods described herein.

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